



# HIGH POWER SERIES



ICT24012-40AZM

## FEATURE HIGHLIGHTS

- High Efficiency
- Low Output Ripple
- Small Size
- Universal Input
- Power Factor Correction
- Fits in standard ICT 19" Rack
- Thermally Controlled Fan
- Battery Backup Option
- Low Profile
- Lightweight

## PRODUCT INFORMATION

The ICT AZ Series universal input offline power supplies are capable of providing 550 to 1600 watts in a very compact size. This high efficiency design has a 100-265 Vac input and features a full load efficiency of 89% - almost half the power dissipation of most current designs. Another benefit of the advanced design is the extremely low output voltage ripple - perfect for powering sensitive communications equipment. A battery backup option (suffix "B") is also available, providing a float charge to an external standby battery. An LCD meter displaying current or voltage is also available, and one or two units can fit on the standard ICT 19" 2U rackmount tray (suffix "R").

## SPECIFICATIONS

- Nominal Input Voltage
- Nominal Output Voltage
- Output Current (continuous)
- Efficiency (typical)
- Output Ripple
- Power Factor
- Load Regulation
- Line Regulation
- Operating Temp.
- Cooling
- Input Connector
- Output Connector
- Size
- Protection

| ICT24012-40AZ*                       | ICT24024-20AZ* | ICT24048-10AZ* |
|--------------------------------------|----------------|----------------|
| 100-265 Vac 50/60 Hz                 |                |                |
| 13.8 Vdc                             | 27.6 Vdc       | 48.0 Vdc       |
| 40 Amps                              | 20 Amps        | 10 Amps        |
| 89 %                                 | 90 %           | 90 %           |
| <40mV p-p                            | <80mV p-p      | <100mV p-p     |
| >0.99                                |                |                |
| <0.5%                                |                |                |
| <0.5%                                |                |                |
| -20F to +105F (-30C to +40C)         |                |                |
| Forced Air                           |                |                |
| Standard Nema 5-15P                  |                |                |
| Terminal Block                       |                |                |
| 7.1" Wide x 8.83" Long x 2.4" High   |                |                |
| Overtemperature Shutdown             |                |                |
| Overcurrent Shutdown, Hiccup Restart |                |                |
| Short Circuit Protection             |                |                |

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# ICT HIGH POWER SERIES

## ORDERING INFORMATION

**ICT 240 12 - 40 AZBRM**

MAX INPUT VOLTAGE

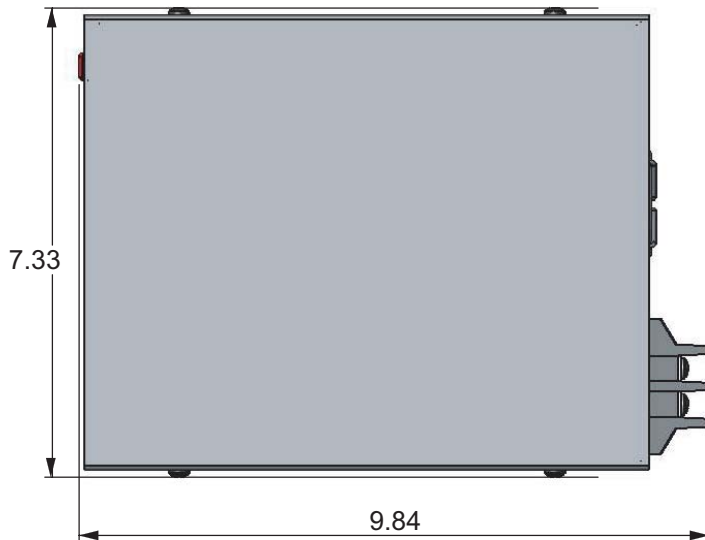
OUTPUT VOLTAGE

PEAK OUTPUT CURRENT

CONFIGURATION

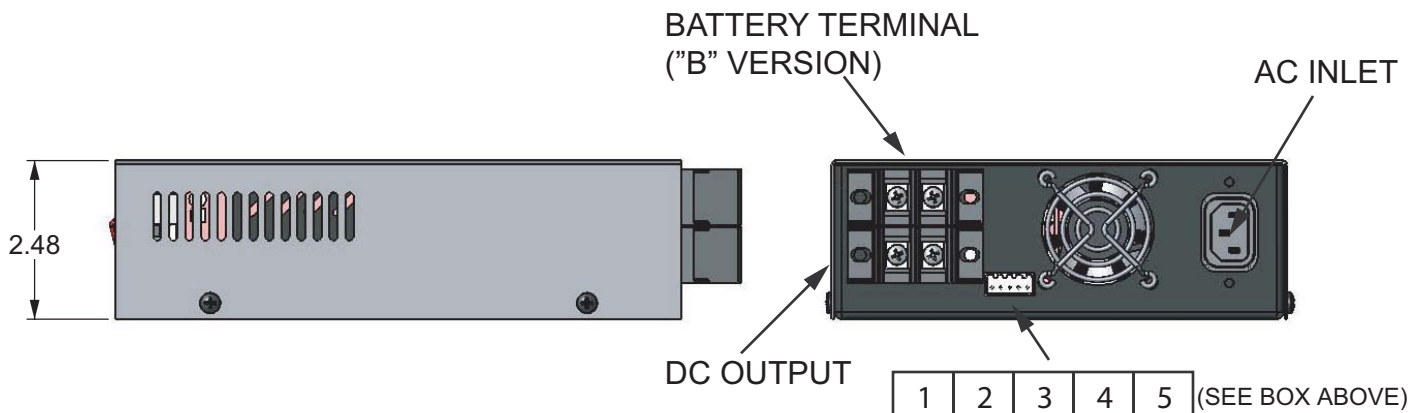
- A - Standard
- B - Backup Float Charger Option
- Z - Internal Designator
- M - LCD Voltage / Current Meter Option
- R - Mounted on 19" Rackmount Option

## OUTLINE DRAWING



DIMENSIONS IN  
INCHES (MILLIMETRES)

| FEATURE CONNECTOR |             |
|-------------------|-------------|
| 1                 | REMOTE SD + |
| 2                 | REMOTE SD - |
| 3                 | AC GOOD +   |
| 4                 | AC GOOD -   |
| 5                 | SHARE       |



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